

9. Which of the following would have the largest radius?

a. Ca or Ca^{2+}

b. I or I^-

○

10. Would Ba or Ba^{2+} have the highest ionization energy?

○ cations are smaller

anions are larger

11. Would FeCl_3 or N_2O be an ionic compound? Explain.

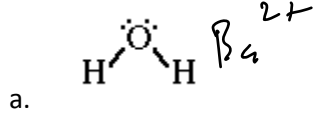
12. What type of bond would form between:

a. H and Cl

b. N and N

c. Ca and O

13. In the following molecule indicate the partial positive and partial negative charges



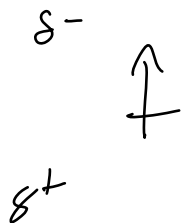
each electron is harder to remove than the one it

FeCl_3 - metal to nonmetal

polar covalent

non polar covalent

ionic



δ^+